

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/003105

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F02D11/10 B60K26/02 B60K41/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02D B60K F02N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/02210 A (FIAT RICERCHE ;PORTA ATTILIO (IT); ELLENA GIOVANNI (IT); LUPO MASS) 11 January 2001 (2001-01-11) cited in the application the whole document	1-8
Y	GB 2 114 717 A (BRITISH AEROSPACE) 24 August 1983 (1983-08-24) page 2, line 19 - page 3, line 33 figure 1	1-8
A	EP 1 052 400 A (NISSAN MOTOR) 15 November 2000 (2000-11-15) the whole document	7,8
	----- -/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

29 June 2004

Date of mailing of the international search report

13/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  
Fax: (+31-70) 340-3016

Authorized officer

Libeaut, L

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/003105

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 017, no. 686 (M-1529), 15 December 1993 (1993-12-15) & JP 05 231194 A (NIPPONDENSO CO LTD), 7 September 1993 (1993-09-07) abstract -----	1
A	US 5 568 797 A (LANDERRETCHÉ ALAIN) 29 October 1996 (1996-10-29) column 1, line 55 - column 2, line 38 -----	1
A	EP 0 559 342 A (HITACHI LTD) 8 September 1993 (1993-09-08) the whole document -----	1-8
A	US 4 353 272 A (REMBOLD HELMUT ET AL) 12 October 1982 (1982-10-12) the whole document -----	1-8

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/003105

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0102210	A	11-01-2001	IT T0990579 A1	05-01-2001
			WO 0102210 A1	11-01-2001
			EP 1198365 A1	24-04-2002
			JP 2003503634 T	28-01-2003
			US 6684145 B1	27-01-2004
GB 2114717	A	24-08-1983	CA 1214510 A1	25-11-1986
			DE 3380420 D1	21-09-1989
			DE 3382431 D1	14-11-1991
			EP 0085518 A1	10-08-1983
			EP 0265738 A2	04-05-1988
			ES 8402435 A1	16-04-1984
			JP 58132812 A	08-08-1983
			US 4513235 A	23-04-1985
			US 4516063 A	07-05-1985
EP 1052400	A	15-11-2000	JP 2000320367 A	21-11-2000
			JP 2001059437 A	06-03-2001
			EP 1052400 A2	15-11-2000
JP 05231194	A	07-09-1993	NONE	
US 5568797	A	29-10-1996	FR 2685667 A1	02-07-1993
			AT 136264 T	15-04-1996
			CA 2126676 A1	27-06-1993
			DE 69209660 D1	09-05-1996
			DE 69209660 T2	05-12-1996
			EP 0617674 A1	05-10-1994
			ES 2088272 T3	01-08-1996
			WO 9312949 A1	08-07-1993
			JP 7508235 T	14-09-1995
EP 0559342	A	08-09-1993	JP 3318945 B2	26-08-2002
			JP 5240072 A	17-09-1993
			DE 69303061 D1	18-07-1996
			DE 69303061 T2	27-02-1997
			DE 69328878 D1	20-07-2000
			DE 69328878 T2	07-12-2000
			EP 0559342 A2	08-09-1993
			EP 0698517 A2	28-02-1996
			US 5468196 A	21-11-1995
			US 6095117 A	01-08-2000
			US 5580334 A	03-12-1996
			US 5665029 A	09-09-1997
			US 5724866 A	10-03-1998
			US 5681238 A	28-10-1997
			US 5888166 A	30-03-1999
US 4353272	A	12-10-1982	DE 2811574 A1	27-09-1979
			DE 2861659 D1	08-04-1982
			WO 7900781 A1	18-10-1979
			EP 0015907 A1	01-10-1980
			JP 1056006 B	28-11-1989
			JP 55500122 T	06-03-1980